

### **ABSTRACT OF THE DISCLOSURE**

A raster scanning system for scanning photo-stimulable radiographic media (14), comprises a light emitting diode array (10) adapted to fire a beam (11) to form a stimulated area (13) of radiographic media generating emitted light (15). Collection optics (16) adapts to collect emitted light and reflected light (17) from the radiographic media. A filter (18) permits the emitted light to pass to a charge coupled detector (CCD) (20). An analog to digital converter (22) receives the signal from the charge coupled detector. A control processing unit (CPU) (24) receives the converted signal. An output device (26) processes the signal from the control processing unit.